

6-12654



**A PATENT APPLICATION WENT TO A** Y-12 trio recently for a development entitled "Foam Product and Method of Manufacture of Same." Sharing in the development were John M. Googin, Development Operations, on left; and M. E. Scrivner and J. M. Napier at right, both of the Chemistry Engineering Development Department. W. K. Whitson, second from left, division superintendent, made the awards in his office last week.

## Globe-Skipping With Union Carbide

The Linde Division will build the world's largest helium refrigerator for nuclear rocket program. The refrigerator, in which the refrigerant gas temperature goes down to minus 410° F., will be built for the government's Space Nuclear Propulsion Office. The office was established by the Atomic Energy Commission and the National Aeronautics and Space Administration to manage the nuclear rocket program. The helium refrigerator is a key component in special equipment designed to provide an ultra-low temperature environment for testing nuclear propulsion system components at NASA's Lewis Research Center, Sandusky, Ohio.

### CHEMICALS FORMS NEW LEATHER LABORATORY

The Chemicals Division of Union Carbide Corporation has formed a new laboratory consolidating the division's tanning process and leather properties research. The laboratory is located in the Technical Center, South Charleston, West Virginia. Its main functions are new product development and sales support. Areas to be explored under product development are glutaraldehyde tanning, silicone treatments, formic acid utilization, surfactants, monomer and polymer impregnation, unhairing compounds, and finishes.

### PUBLIC AFFAIRS MANAGER NAMED

T. K. (Kent) Webb has been named manager of public affairs for Union Carbide Corporation. The purpose of the program is to establish the means for the corporation to protect and promote its interests with local, state and federal governments in a manner commensurate with the public interest. Webb will have the responsibility under the direction of

the Public Affairs Committee, of coordinating the corporate and division programs. Members of the Public Affairs Committee are: Morse G. Dial Jr., chairman; Edward F. Fox, Carl H. Hageman, Farnsworth L. Jennings, Otto Kinzel, and Fred L. Shanklin.

### ASBESTOS SHOWN AS FIRE RETARDANT

The Corporation's Mining and Metals Division recently exhibits asbestos as a fire retardant. At the Northeastern Forest Fire Protection Commission held in Concord, New Hampshire, the division's high-purity asbestos, it was shown, when mixed with water, can be used as an effective forest fire retardant. This mixture containing three to four per cent of Union Carbide's asbestos can be used to achieve a thickening effect that is superior to any other mineral presently used for the same purpose. The resulting slurry is capable of adhering to vertical combustible surfaces and provides a controlled penetration of water into the depth of the burning materials. A small quantity of UCON wetting agent can be added to the slurry to increase the depth penetration rate of the free water.

### STERLING FOREST LAB GROWS 'RADIATION GARDEN'

Union Carbide's nuclear research center is coordinating efforts with Sterling Forest Gardens to create new plant mutations for a "Radiation Garden." The laboratory, located in Sterling Forest, near Tuxedo, New York, is using a cobalt-60 source, which does not make the plants or seeds radioactive but induces certain changes in them to produce plants of various new types. The "radiation garden" will be on display to the public throughout this summer and fall season.

## Health Physicists To Tour ORINS

The next regular meeting of the East Tennessee Chapter of the Health Physics Society will be next Thursday, July 22. The meeting will be held at 8 p.m. at the Oak Ridge Institute of Nuclear Studies Medical Division Conference Room.

The ORINS Medical Division was established by the AEC to conduct biomedical research, much of which involves the use of radiation and radioactive materials. Of special interest to health physicists are the research programs involving the measurement and localization of radioisotopes within the body.

The measurement of radioisotope is made with three detection systems capable of measuring from 10<sup>-1</sup> curies to 10<sup>-9</sup> curies. The most sensitive instrument is a whole-body counter with eight NaI crystals.

Localization of radioisotopes within the body can be shown by various types of scanners. The most recent scanning equipment developed is a whole-body scanner that permits scanning of the active bone marrow in addition to

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## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
27 Days Or  
705,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through July 11  
Phone 3-7755  
For Daily Report  
On Accident-Free Hours

## Y-12's History Will Be Traced In Family Days Set For Weekend

Families of Y-12ers and Atomic Energy Commission employees will get a brief glimpse of Y-12's potentials this week, as Family Day, July 17, 18 will be observed. Celebrating the opening of the new Development wing of Building 9202, these families have been invited in to share in Y-12's part in history during the past 22 years.

Y-12, is, of course, the last remaining AEC installation clinging to its old code name. (X-10 and K-25 are now called Oak Ridge National Laboratory and Oak Ridge Gaseous Diffusion Plant). Many descriptive names have been considered for Y-12, but the variety of activities here almost precludes a simple title, so the old code name remains. (If there ever was a reason for the designation, "Y-12" it has been lost in antiquity.)

### Plan Was Born In Early War Years On Lightning Schedule

Started in the bleak war years in early 1943, the original intent of Y-12 was to separate the fissionable isotope of uranium-235 by the electromagnetic process. This was developed by the late Dr. E. O. Lawrence at the Radiation Laboratory, Berkeley, California. A capital investment of over \$400 million was required to build the plant, and the peak operating force in the early days was approximately 23,000 people.

Old-timers can relate those days with gusto . . . how we "borrowed" most of the United States Treasury's supply of silver . . . how the cafeteria operated on a 24-hour-a-day basis. (As a matter of fact, there were two cafeterias, plus dozens of mobile canteens.)

### Family Day Exhibits Will Include Historical Highlights

In Saturday and Sunday's tour, families will see an exhibit of Y-12 Milestones . . . beginning with ground-breaking, to Y-12's production of material for the first atomic bomb to the 1953 establishment of isostatic (equal from all sides) pressing facilities in the plant, to the present.

Y-12 produced enough fissionable material for at least one bomb prior to being superseded by the much more efficient gaseous diffusion process. Since that time, the plant has been converted into a highly sophisticated manufacturing and development engineering organization, utilizing some of the most advanced techniques and facilities known.

Although this week-end's activities are centered around the opening of the Development wing . . . all of Y-12, and its many-faceted potentialities will be displayed in an interesting, non-technical manner to visitors.

Tickets have already gone out to employees and their families.

### Each Visitor Will Need Ticket To Be Admitted

Each visitor must bring his completed ticket with him Saturday or Sunday before being admitted to those portions of Buildings 9202 and 9203 which are included in the Family Day activities.

All the areas opened for Family Day have been cleared of anything classified. The displays and tours will deal only with unclassified Y-12 activities. Employees are not to expand on any of the subjects involved in talking to their families or to any other visitors.

Parking facilities will be available in the eastern zone of North Portal for Saturday and Sunday visitors. Guides there will direct visitors down the prepared route to the Development building.

### Occupies Farmland Located In Bear Creek Valley

Y-12 occupies almost 500 acres of AEC land, lying in what was once called Bear Creek Valley. A church once stood near East Portal . . . the New Hope Baptist Church. The cemetery can still be seen there. (Theira Flood, Chemistry Engineering Development, grew up on what is now Y-12 land. Her family homestead stood in the 9212 complex. She was reared in the valley, and has returned in her adult life to work here. Several 'natives' abound in the plant, also. Most, however, have come from other climes . . . brought here by the unique venture into the atomic age that man chose to make twenty-odd years ago.)

There are approximately 170 buildings in use in Y-12 at the present time. Floor space, staggering the imagination, occupies some 4,500,000 square feet, or enough to make 78 football fields. Much of Y-12's plant area is under strict environmental control . . . humidity, temperature, etc.

### Y-12ers Are Accustomed To Magnitude Of Operations

While we who work here are accustomed to the size and complexities of facilities here, visitors will naturally be impressed with the size and scope of our operations.

Guides and official hosts estimate that at least two hours should be allowed to view all the displays. The 'guided tour lecture' should take about 25 minutes.

There will be no facilities for eating Saturday or Sunday . . . and small children will not enjoy the tour. Sponsors of Family Day have put an age limit of not below eight.

The usual security measures must be observed also. No cameras, pets, binoculars, or firearms are permitted inside the plant.

One of the most unusual displays in this week-end's events is

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# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG .....Editor

Member



Appalachian  
Industrial  
Editors'  
Association

OFFICE

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Telephone 3-7100

## New Electronic Course Starting

A new night extension course in Industrial Electronic Technology is now being organized. It begins next Tuesday, July 20, at Central High School, Wartburg. This class will meet from 7 p.m. until 10 p.m. two nights a week.

The course is divided into eight six-month semesters. Cost per semester is \$10 tuition, \$6 for textbooks and \$2.50 for Laboratory manuals. The course is approved for a sharing of cost under the Carbide Educational Assistance Program.

Instructors include Bernard Dyer, coordinator; Lonnie Brown, University of Tennessee; T. A. Hickman, Y-12's Research Services; A. A. C. Hitchcock, Oak Ridge Institute of Nuclear Studies; and M. W. McGuffin, Oak Ridge National Laboratory.

Interested parties should contact T. A. Hickman, Building 9201-2, telephone extension 3-5059.

There is still time to enroll in the beginning semester.

## Meson Theory Topic Of Physics Seminar

A. E. S. Green, University of Florida, will conduct this week's Oak Ridge National Laboratory Physics Division seminar. He will use as his subject: "Meson Theory of Nuclear Forces."

The seminar is set for Friday, July 16, in the East Auditorium, ORNL's building 4500 at 3:15 p.m.

## ROAD CASUALTIES

The number of 1964 highway deaths soared to a new high of 48,000. In addition, a survey reveals that 3,840,000 persons were injured in automobile accidents.

## 'See How They Run' Playhouse Opus

The Oak Ridge Playhouse annual summer production will open this Friday, July 16, at 8:20 p.m. The summer production will be presented in the air-conditioned Playhouse in Jackson Square. The play is a farce-comedy which goes by the very literal title of "See How They Run" since several members of the cast spend most of their time doing just that. Performance dates are July 16, 17, 18 and the following week-end July 23, 24 and 25. Ticket reservations may be made by calling the box office between 10 a.m. and 5:30 p.m.

"See How They Run" is a fresh treatment on the mistaken-identity theme, as a vicar, a bishop, a visiting clergyman, an armed intruder, and an Air Force corporal, all in ecclesiastical garb, get hopelessly scrambled. Others adding to the very involved situation are the vicar's pretty wife, a spinster who has not been too prudent on her first bout with the bottle, and a maid who has been impressed by too many movies.

The play is suitable for the entire family. Student prices are in effect for both Sunday evening performances which have an early curtain of 8 p.m. Playhouse memberships for next season will be available during all the performances of this delightful comedy.

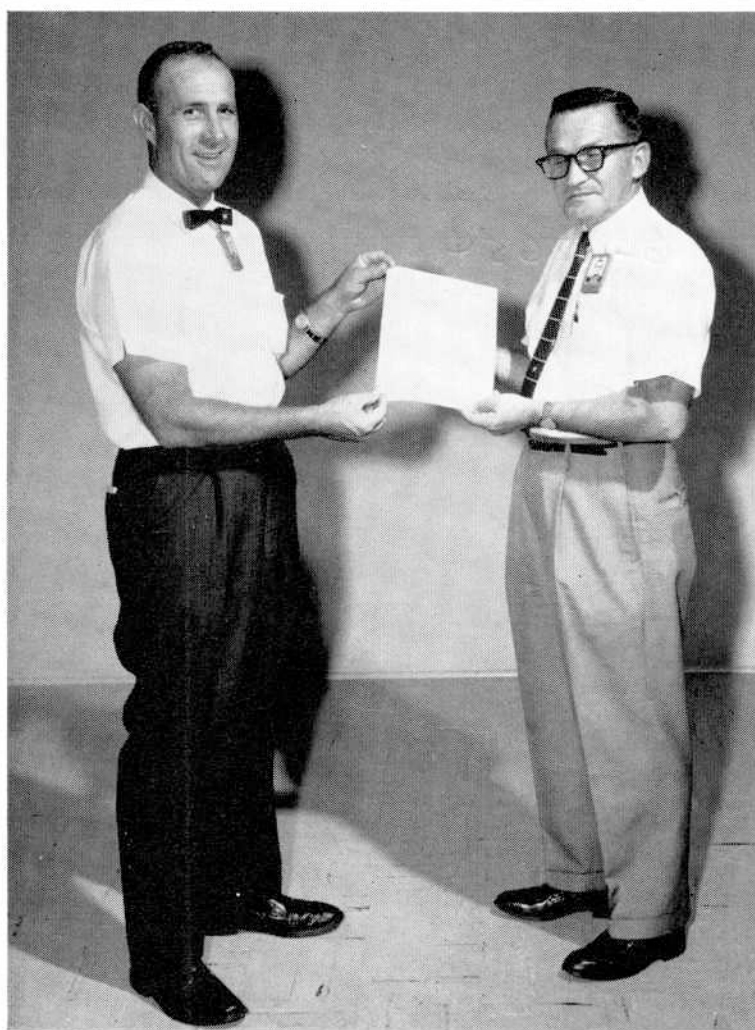
## Money Matters Job For Parent

Teaching a child that "money doesn't grow on trees," of course, is one of the responsibilities of a parent. The child will begin to show interest in money by his third or fourth year, says a recent report.

He has a long way to go, however, before he learns a full sense of values. Let him "Pay" the egg man, the paper boy and the clerk at the grocery store. He'll gain experience handling money under everyday circumstances, and he'll see, first hand, what money buys.

Many schools are teaching their young pupils about family financial matters, often with the encouragement and aid of the National Committee for Education in Family Finance.

Basic views about money, however — and perhaps the most important ones — are usually acquired by a youngster before he gets to school. That's why a parent's example is important in teaching him what you have learned about the 'barter system.'



**APPROVED BOILER INSPECTOR** is Walter M. James, Mechanical Inspection. He was recently notified by the Department of Labor of the State of Tennessee that he had successfully passed the state examination. J. C. Thompson Jr., right, gives James his certification.

## Walter James, Mechanical Inspection, Is Certified As Approved Boiler Inspector

Walter M. James, Mechanical Inspection, was recently notified by the Department of Labor of the State of Tennessee that he had passed the state examination for approved boiler inspector.

Qualifications for an applicant state that "he shall be at least 25 years of age and shall have

at least three years experience in boiler or unfired pressure vessel construction or repair or operating engineer in charge of high-pressure vessel construction or repair or operating engineer in charge of high-pressure boilers, or inspector of steam boilers or unfired pressure vessels."

James came to Y-12 in October, 1954, after working with the Hartsook Motor Company, Lenoir City. A veteran of the U. S. Air Force, he attended the Knoxville Business College.

He lives with his wife at 1304 West Second Avenue, Lenoir City.

## DRIVERS AT FAULT

More than 3,840,000 persons sustained injuries in automobile accidents last year. Driver error and lack of judgement were responsible for more than 85 per cent of the highway casualties in 1964.

## Union Carbide Is Prominent In News

Two national magazines recently featured articles on Union Carbide Corporation. The Saturday Evening Post, June 19 issue, had a three-page article entitled "Is Anybody Out There?" Union Carbide's research on the possibility of life on Mars is treated in some detail. Prominent mention is made of the work being done by Dr. S. M. Seigel and his associates at the Union Carbide Research Institute in Tarrytown, New York. There, numerous experiments have been performed with various forms of plant and animal life exposed to a simulated Martian environment.

The Time, June 18, issue, highlighted Union Carbide's scope of business and research areas. The article concluded with a reference to the "streamlined Carbide" and the fact that with the new management reorganization, the corporation "now has an excellent chance . . . of maintaining profits in the competitive and constantly changing chemical industry."

## HUMAN PHILOSOPHER

While many of us think of Socrates, the Greek philosopher, in terms of a diety, it must be remembered he was human. He exercised every morning to reduce, had a nagging wife, and was a teacher to young Athenians without pay.



Katy Kutkost  
SEZ.

Rumor has it that the Cost Reduction Office got so many green sheets the past week that they've yelled, "Uncle!" That's ridiculous. They may yell "Gina Lollobrigida," but never "Uncle!"

As of July 8th . . . and the faucet is still dripping . . . it looks thus:

Maintenance	142
Fabrication	58
Plant Engineering	49
Assembly	45
Technical Services	41
Product Engineering	39
Materials & Services	29
Metal Preparation	20
Industrial Relations	19
Development	13
Plant Shift Superintendents	9
Accounting	3

467

More than somewhat better than last time's 304 actions.

Don't stop . . . anything coming in will be used next time!

## What Price College ? ?

What does it cost to send a student to college? There are many answers, but comparisons are possible, according to Paul Vance, U. S. Office of Education. The median charges for tuition, fees, room and board for a typical full-time undergraduate student at a public institution was \$790 in 1963-64; \$964 at universities; \$749 at liberal arts colleges; \$804 at teachers colleges; and \$678 at junior colleges. Corresponding charges for private institutions were: all institutions, \$1,399; universities \$2,048; liberal arts colleges, \$1,493; teachers colleges, \$1,350; and junior colleges, \$1,048. (These prices do not include the cost of placards and stones used for student demonstrations.) from the Institute Plant's Newsletter.

## Today Is Final Day For Badge Exchange

Today, Wednesday, July 14, marks the final day of badge exchanging. After 11 p.m. tonight, the old yellow-margined badges will not be honored at the portals.

If you have failed to pick up your new, solid blue badge, you will have to report to the Badge and Pass Office, Building 9704-2, for an exchange.



**RADIATION SAFETY GATHERED** recently to honor Lena Jones. C. M. "Hap" West is seen presenting her a going-away gift from the department. Lena's husband, J. T. Jones, is in Y-12's Area Five Maintenance Department.



**FATHER'S DAY AT** the W. E. Powell home, Clinton, brought this happy photograph. Brenda, age 11, and Earl, 10, flank their father and mother, Loretta and W. E. The Powells live at 904 Derris Street. The proud father is in Y-12's Dispatching Department.

# Two Y-12 Sportsmen Garner Glory In Unusual Feats



**BILL MADDUX JOINED THE SELECT** group of golfers recently with a hole-in-one at the Oak Ridge Country Club.

## Bill Maddux Aces Hole Number Three At Oak Ridge Golf And Country Club

Tool Grinding's Bill Maddux had his moment in the sun recently . . . as he took a hole-in-one at Oak Ridge's Golf and Country Club. Sailing into hole number three, a par-three, 140 yarder, Bill cupped it with all the graces of a master.

Playing in the late June foursome were two other Y-12ers, Bob Hagood and Tudor Boyd. Clea

Neal, Oak Ridge Gaseous Diffusion Plant, was also along for the joyous event.

Using a number nine iron, Bill sunk the miniature satellite right into the cup.

The Y-12 trio is a frequent sight at almost any Y-12 golf tournament going. It's for sure they'll have things to tell other golfers from here on out!

## Ticket Application Appears Again As Y-12 Golfers Take To Melton Hill Course

Have you filed an application to play in Y-12's big golf tournament set Saturday, July 31, at the Melton Hill Golf and Country Club course?

This will be Y-12ers' first venture onto the new greens 'across the lake.' The newly constructed course treks along Melton Hill Lake on the Clinton-Oak Ridge Highway . . . on the other side of the lake, that is.

The 72-par course features nine holes which parallel the water . . . then the back nine turns up the wooded slopes of the surrounding hills. Folks who have played over there give the course a grade A mark for greens and challenging fairways.

It's a sure bet there's not many prettier golf courses in the country.

The coupon below will entitle your foursome for a tee-off time drawing. Tee-off times will be drawn Thursday, July 29, after the July 28 deadline. So time's awasting. Get those applications in to Recreation now.

### FOOD IN PLASTICS

About 260 million plastic containers will be used for packaging food this year, a 60 per cent increase over 1964. By 1970 it's estimated that over 750 million plastic containers will be used in food packaging.

## Permits 'Almost' Beat Iso-Reactors

### ORNL Team Still Holds Softball Reins

Last week's Slo-Pitch action resumed play Tuesday, after the long weekend, with Biology trouncing the Apprentices 14-3. Bremen homered for Biology and McRae did likewise for the Apprentices. The 7:15 p.m. contest found the K-25 Instruments taking the Nucons of Y-12 via the forfeit route 7-0. Climaxing Tuesday night's action in the 8:30 contest found the league leading Isotope Reactors taking a squeaker by 13-12 over the Permits in the last half of the 7th inning. Baugher, Monks, and Fulkerson hit round-trippers for the losers while Thomas clobbered for the distance for the Isotopes. Moore and Ewing, Isotopes, had one triple each.

Wednesday night's action saw two games completed and the third postponed because of rain. In the 6:00 p.m. contest the K-25 Mets overhauled the Bums "quadruple-wise" 30-8. Henderson and Nier homered for the winners, and Riechel clouted one for the losers. The second game was a Y-12 contest between the Braves and Eagles with the Braves piling up a "triple-wise" score 21-7. The Braves' power beamed brightly as Bob Roe homered twice, with Loyd Wyatt, Bob Culton, and Ray Riggs also hitting for the distance. The scheduled contest between Plant and Equipment and Ball Hawks was postponed as the "rains came" in full.

Thursday night's action found the Y-12 contest between the Bat Boys and Atoms going to the Bat Boys by a score of 10-6. "Long Jim" Turner homered for the winners. The 7:15 contest found the Stems winning their first league game over Instrumentation and Controls by the score of 16-7. For the winners Davis doubled, Quimby tripled, and Preskako homered. Hurt and Rader had doubles and Letellier tripled for the losers. Final action of the evening found the ORNL Mets men handling the Y-12 Teds by a score of 22-9. The Mets with six doubles, three triples, and one homer hammered away to the "more than double score."

League standings follow:

Team	W	L
Isotope Reactors	9	0
ORNL Mets	8	1
Braves, Y-12	7	2
Plant & Equipment	6	2
Biology	6	3
K-25 Mets	6	3
Permits	5	4
Eagles, Y-12	5	4
K-25 Instruments	5	4
Bat Boys, Y-12	5	4
Ball Hawks	4	4
Instrumentation & Controls	4	5
Apprentices	4	5
Nucons, Y-12	2	7
Bums	1	8
Atoms, Y-12	1	8
Teds, Y-12	1	8
Stems	1	8

## Save Savings Stub For Income Taxes!

Employees receiving their cash settlement in the General Savings Plan of Union Carbide are urged to retain the stub accompanying their check. This contains vital information to be used in reporting income for tax purposes.

The Company's portion of your Savings Plan check must be reported as taxable income when you file your income tax return for 1965.



**JACK HUFF** recently qualified as a First Master Civilian firer in the Southern States National Long Range Course tournament, held recently in Oak Ridge. In qualifying Jack set a new course record for the event, scoring 293 out of a possible 300!

## Jack Huff Sets Long Range Firing Record At Oak Ridge Sportsmen's Association

On July 3, 4 at the Oak Ridge Sportsmen's Association, Jack Huff made a little bit of history.

Huff, in Y-12's Mechanical Development, has been active in "shooting circles" for some time.

At the Southern States National Long Range Course tournament held in Oak Ridge over the July 4th week-end, Huff qualified as First Master Civilian with a 293-23v out of a possible 300 score!

Not only did he qualify, but he set a new Master Civilian record for this course of fire.

Jack was also on the Oak Ridge Sportsmen's Association team which was high civilian team and also set a national record for civilian team firing.

More on the team, later.

## C Shift Burger Fry Is Tomorrow, July 15

C Shift is holding a big Burger Fry at Concord Park (area number two) tomorrow, Thursday, July 15. (It was erroneously reported as last Thursday in last week's Bulletin).

The hours of the big feed are from noon until 6 p.m. . . . and C Shifters are expecting the usual big crowd of swimmers and eaters.

## Tee-Off Time Application For Melton Hill Tournament

Saturday, July 31

Foursome

\_\_\_\_\_, Leader

Leader's office phone \_\_\_\_\_

Home phone \_\_\_\_\_

Tee-Off Time Preferred \_\_\_\_\_

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, July 28. Tee-off times will be drawn the next day, July 29, at 9 a.m.

## Hilemon Leads Archery Laegue

Lefty Hilemon's score of 275 was high in a recent firing of the Carbide Archery League. Next was Bill Bardill with 254 and Ralph Clark with 248. Aggregate scores, while incomplete, are listed through the eighth session.

Nimrod	Score
C. H. Hilemon	2016
Bill Bardill	1985
R. L. Clark	1823
W. H. Davy Jr.	1661
Zona Wright	1484*
F. R. Dam	1391
W. H. Baldwin	1343
W. H. Davy Sr.	1326*
F. H. Hipshire Jr.	1315
C. E. Miller Jr.	1296
C. Asmanes	1062*
D. S. Carroll	652*
R. G. Farley	544*
F. Lynch	274*
T. H. Mauney	246*

\*Incomplete Score.

# UNION CARBIDE CORPORATION NUCLEAR DIVISION

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## Y-12 History

Continued from Page 1  
the Gnome display. Under the AEC's Plowshare Program, the development of peaceful uses for nuclear explosives has been undertaken. A sample of fused salt from the Salado Salt Basin, near Carlsbad, New Mexico, is included in the display.

The Gemini mementos which orbited the earth with John Young and Gus Grissom earlier this year will also be on display. Y-12 played an integral part in the design and fabrication of the blood carrying container which carried human blood into space. Computations will give information on the effects of weightlessness and radiation in space on human blood. (All components in the experiment operated satisfactorily.)

It is hoped by all Y-12 employees that our families will enjoy their brief stay in the plant this week-end, and that some of our pride in our accomplishments will go back home with them.

## Recreation



### Monday, July 19

SOFTBALL: Beginning 6 p.m., Stems vs Biology; Mets vs Instrumentation & Controls; Teds vs Nucons.

TENNIS LEAGUE: By arrangement, as per schedule.

### Tuesday, July 20

SOFTBALL: Beginning 6 p.m. Plant & Equipment vs Eagles; K-25 Mets vs Isotopes Reactor; K-25 Instruments vs Ball Hawks.

### Thursday, July 22

SOFTBALL: Beginning 6 p.m. Apprentices vs Bums; Teds vs Braves; Permits vs Atoms.

ARCHERY LEAGUE: 6 p.m., Oak Ridge Sportsman's Association.

HORSESHOE LEAGUE: 7:30 p.m., City Courts.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gymnasium.

### Sunday, July 25

SKEET LEAGUE: 1 p.m., Oak Ridge Sportsman's Association.

## Health Physicists

Continued from Page 1  
routine organ scanning.

The Medical Division is also conducting research on the therapeutic uses of radiation. One program involves total-body irradiation in a special facility containing 4,000 curies of <sup>137</sup>Cs. The results of the ORINS total-body irradiation study and similar studies carried out elsewhere are being analyzed for NASA to determine the effects of radiation on humans.

The tour will include a discussion of the various programs.

Safeguard all classified matter.



Mid-to-late July spells important anniversary dates for many Y-12ers, celebrating milestones with Union Carbide Corporation. Congratulations.

### 20 YEARS

Ira T. Smith, Laundry, July 17.

### 15 YEARS

Hoyt J. Nelson, Beta Four Heavy Machine Shop, July 14.

Everett C. Alexander Jr., Beta Four Forming, July 15.

James R. Aytes, H-2 and F-Area Shops, July 17.

Paul Overton, Mechanical Inspection, July 18.

Lawrence E. Christopher, Special Services, July 20.

Warren F. Cartwright, 9766 Machine Shop, July 20.

### 10 YEARS

Edward F. Gibson, Beta Four Heavy Machine Shop, July 15.

Peggy K. Silver, Chemical Services, July 18.

Willard K. Collins, Assembly Operations.

## Cowan Assumes Tennis 2 Spot

The long week-end with all the holiday festivities virtually stopped Y-12's Tennis League play as only two matches were accomplished. Jack Cowan moved into second place by virtue of his win over Bob Bass by decisive scores of 6-1, 6-3.

Don Legacy, replacing John Pridgeon for the rest of the season, took Campbell King to task by taking two close ones 6-4 and 8-6.

League standings follow:

Player	W	L
Robert Hobbs	5	0
Jack Cowan	5	1
Ralph Levey	4	1
Bill Akers	1	0
Max Scott	1	1
Don Legacy	1	1
J. E. Harrell	1	2
Campbell King	1	3
Roy Huddleston	0	1
Bob Bass	0	3
Evelyn Clark	0	3
J. W. Cooke	0	3



Ride wanted, riders, or will join car pool from South Knoxville to Central Portal, straight day (8 a.m. until 4:45 p.m.). George McPherson, plant phone 3-7272, home phone Knoxville 577-6398.

### PLASTIC WOOD

A new process . . . soaking it in anhydrous ammonia — makes wood as pliable as wet leather. Since it retains the shape it's forced into, there's no need for clamping. When it dries, it resumes its original hardness.

# Union Carbide Will Sell, Warehouse, And Ship Its Own Vinyls Direct To Contractors

Union Carbide Corporation has formally made its entrance into the contract wallcover and upholstery field. It recently opened new showrooms in the Decoration and Design Building, 979 Third Avenue, New York, New York.

On display, for the first time, were 14 new collections of its "Vileau" vinyl fabrics. These groupings fall into three basic categories at present: elegant damask wallcoverings that decoratively enhance a wide variety of interiors, with emphasis on the Provincial and traditional decors; new contemporary wallcoverings in an extremely broad range of patterns and many unique colorways; and thirdly, new upholstery vinyl fabrics that offer a new-limitless selection of color coordinating opportunities.

In contrast to the usual procedure of a vinyl producing firm supplying the contract market, the company announced that it would handle its own sales direct from its own showroom and warehouse, and deliver its vinyl fabrics directly from its new, modern, multi-million dollar plant in Bound Brook, New Jersey.

The entire manufacturing operation — from the raw material stages to the calendered, finished printed product — is also under the individual and direct control of Union Carbide. The move is backed by 20 years experience in vinyl film and sheeting production by the corporation, as well as pioneering work in the production of component materials such as resins and plasticizers.

Union Carbide, in mapping its entry into the contract field, has made a key move by providing a formidable atmosphere for displaying its fabrics to both trade and consumer audiences. In addition to its beautiful new showroom in the D & D Building, it has contracted for exhibit space at the National Design Center, both in New York and in Marina City, Chicago.

The new showroom scenes appear at the left.

Special lighting and colors accentuate the display areas. A sliding glass panel with traversing draperies is used to close off a portion of the area where designers may work in complete privacy.

## Barger-Luckett '2nd Hoss-Shoes'

The Horseshoe "pitchers" went into action Thursday night in one make-up match that found the Leonard-Gray duet eking out five points to four over Kendig and Zupan.

In the regular scheduled matches, the league's leading team of Raper-Tinley took Kendig and Zupan for a ride seven points to two. Barger-Luckett eased into the second spot by virtue of their eight to one win over Gallman-Helms. Leonard-Gray in their regularly scheduled match took Clark and Wagner for a six to three win.

League standings follow:

Team	W	L
Raper-Tinley	41	13
Barger-Luckett	37	17
Leonard-Gray	34	20
Clark-Wagner	31	23
Zupan-Kendig	30	24
Wyatt-Lucke	16	38
Harness-Tillery	14	40
Gallman-Helms	13	41

Lock classified files before leaving work area.



**HINGED DISPLAY RACKS** in the main section of the showroom are lighted by strip fluorescent and continuous rows of incandescent lamps, providing an excellent representation of natural light. Luxurious beige carpeting of Union Carbide's Dynel modacrylic fiber richly accents the colorful fabric designs.



**COMFORT, CONVENIENCE**, and the advantage of natural lighting are stressed in the private showing area which may be closed off from the general display area by traversing draperies and a sliding glass panel. Lounge chairs, upholstered in Vileau's Harvest vinyl in a nugget shade, face the floor-to-ceiling display panel for fabric samples.



**A WOVEN SCREEN OF UNION CARBIDE'S** modacrylic rug yarn divides the reception and showroom areas. The vinyl asphalt floor covering is in a travertine and brick-pattern design; contemporary decor is accented by brightly lighted hanging display panels, behind reception desk, which may be easily seen from the corridor outside.